

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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APPLICANT : NISSAN MOTOR CO LTD;

INVENTOR : KACHI NAOKI;

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TITLE : CATALYST FOR PURIFICATION OF EXHAUST GAS

ABSTRACT : PURPOSE: To obtain a catalyst for purification of exhaust gas capable of efficiently removing NO<sub>x</sub>, CO and hydrocarbon (HC) in exhaust gas discharged from the internal-combustion engine of an automobile, etc., from a stoichiometric state of fuel-air ratio to a lean burnt state.

CONSTITUTION: A first layer of an inorg. material based on activated alumina contg. Pt and/or Pd and a second layer of an inorg. material based on activated alumina contg. Rh are successively formed on a honeycomb carrier and a coating layer of an inorg. material based on zeolite subjected to ion exchange for Cu, Cr, Nd, Y, Co, Zn, Ce, Pr or La is further formed on the second layer. The objective catalyst for purification of exhaust gas is obtd.

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